



PF-014-003205

Seat No. _____

M. P. M. (Sem. II) Examination

July - 2018

BP - 203 : Pharmaceutical Analysis - II

Faculty Code : 014

Subject Code : 003205

Time : 3 Hours]

[Total Marks : 80

- Instructions :** (1) Figures to the right indicate marks.
(2) Answer any three questions from each section question no. one and question five are compulsory.
(3) Draw neat and clean diagram when required.

SECTION - I

- 1** Answer the following questions : (Any **Seven**) **14**
- (a) Define half wave potential.
 - (b) Define R_f
 - (c) Explain: signal to noise ratio.
 - (d) Define Accuracy and Precision.
 - (e) What is HETP ?
 - (f) Give Ilkovic equation.
 - (g) Explain maxima suppressor with examples.
 - (h) Classify electroanalytical method with examples.
 - (i) Define standard reduction potential.
 - (j) Explain Kohlrausch law.
- 2** Answer the following questions :
- (A) Write a brief note on Stripping voltametry. **7**
 - (B) What are the advantages and disadvantages of instrumental analytical method ? **6**

- 3** Answer the following questions : **7**
- (A) Explain : Factors affecting conductance. **7**
- (B) Describe: Dip type and Jar type conductivity cell. **6**
- 4** Answer the following questions : **7**
- (A) Discuss: Glass electrode. **7**
- (B) Explain methods for detecting end point in potentiometric titration. **6**

SECTION - II

- 5** Answer any two out of three : **14**
- (A) Types of amperometric titration
- (B) Explain: Differential Scanning Calorimetry.
- (C) Discuss: Rate theory of chromatography.
- 6** Answer the following questions : **7**
- (A) Short note on Polarimeter **7**
- (B) Write a short note on Paper chromatography with application. **6**
- 7** Answer the following questions : **7**
- (A) Explain: Principle of polarography with polarographic wave. **7**
- (B) Write a note on DME. **6**
- 8** Answer the following questions : **7**
- (A) Write a note on Oxygen combustion flask method. **7**
- (B) Discuss : Simple extraction technique. **6**